

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
31 July 2003 (31.07.2003)

PCT

(10) International Publication Number
WO 03/062043 A1

(51) International Patent Classification⁷: **B63B 22/02**

(21) International Application Number: **PCT/EP03/00698**

(22) International Filing Date: 23 January 2003 (23.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02075287.9 24 January 2002 (24.01.2002) EP

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

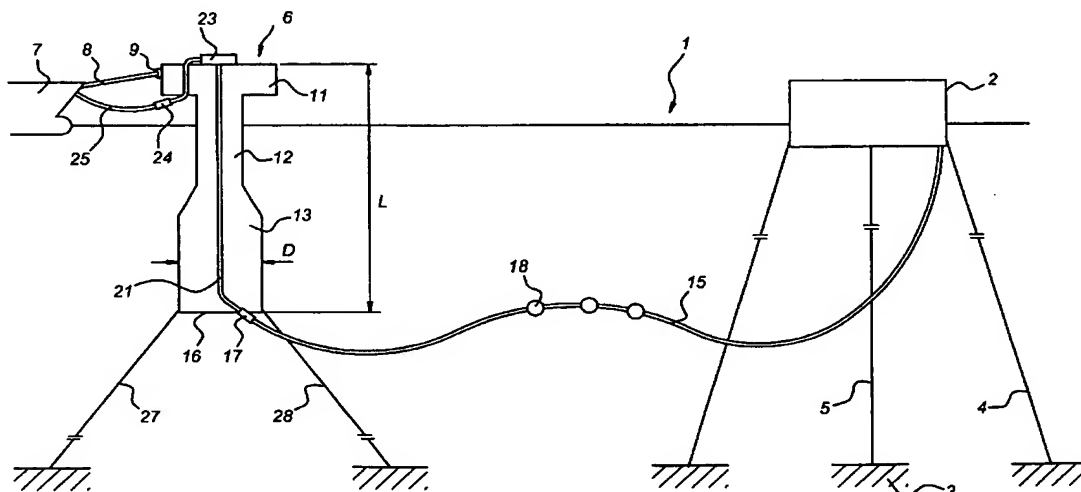
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **WAVE MOTION ABSORBING OFFLOADING SYSTEM COMPRISING A SLENDER MOORING BUOY**



(57) Abstract: The invention relates to a mooring buoy (6), comprising a submerged part (13) and a part extending above water level (11). The part above water level comprising a fluid outlet duct (24) for attaching to a vessel (7), the buoy being anchored to the seabed via substantially taut anchor legs (27, 28). A substantially horizontally oriented fluid transfer duct (15) being attached to a connector (17) of the buoy in a non-rigid manner. The buoy comprises a substantially vertical fluid duct (21) between the connector (17) and the outlet duct (24) and a mooring connector (9) for attaching to a mooring line (8) of the vessel, wherein the length (L) of the buoy is between 20 m and 70 m and the ratio of the diameter (D) of the lower part (13) of the buoy and the length (L) being below 0.3, preferably below 0.2.

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